



Yorkshire Philosophical Society.

ANNUAL REPORT

FOR

MDCCCL.

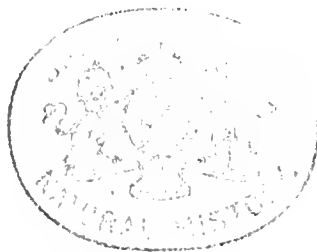


S. 403. A. 3.

ANNUAL REPORT
OF THE COUNCIL
OF THE
YORKSHIRE
PHILOSOPHICAL SOCIETY
FOR
MDCCCL.

PRESENTED TO THE ANNUAL MEETING

FEBRUARY 4, 1851.



YORK :
H. SOTHERAN, CONEYSTREET.

1851.

TRUSTEES
OF
THE YORKSHIRE MUSEUM,

APPOINTED BY THE ROYAL GRANT.

CHARLES WILLIAM, EARL FITZWILLIAM.

THOMAS PHILIP, EARL DE GREY.

HON. AND VERY REV. HENRY HOWARD, D. D.

SIR WILLIAM LAWSON, BART., F. S. A.

FRANCIS CHOLMELEY, ESQ., F. S. A.

ROBERT DENISON, ESQ.

REV. WILLIAM VERNON HARCOURT, F. R. S.

RICHARD JOHN THOMPSON, ESQ.

PATRONESSES
OF THE
Dorchester Philosophical Society.

HER MAJESTY THE QUEEN.

H. R. H. THE DUCHESS OF KENT.

PATRONS.

THE ARCHBISHOP OF YORK.

DUKE OF NORTHUMBERLAND, F. R. S.

EARL OF CARLISLE, F. R. S.

EARL FITZWILLIAM, F. R. S.

EARL OF TYRCONNEL, F. R. S.

LORD FEVERSHAM.

LORD WENLOCK.

OFFICERS OF THE SOCIETY, 1851.

PRESIDENT :

EARL FITZWILLIAM.

VICE-PRESIDENTS :

FRANCIS CHOLMELEY.

WILLIAM GRAY, F. G. S.

REV. WILLIAM VERNON HARCOURT, F. R. S.

REV. WILLIAM HEY.

HON. AND REV. S. W. LAWLEY.

JOHN PHILLIPS, F. R. S.

H. S. THOMPSON.

REV. CHARLES WELLBELOVED.

TREASURER :

THOMAS MEYNELL, JUN., F. L. S.

COUNCIL :

Elected 1849 OSWALD ALLEN MOORE.

REV. THOMAS MYERS.

THOMAS PRICE.

HENRY ROBINSON.

Elected 1850 ROBERT H. ANDERSON.

REV. JOHN KENRICK.

W. L. NEWMAN, F. R. Ast. S.

J. P. PRITCHETT.

Elected 1851 JOHN CLUDERAY.

JOHN FORD.

JOSHUA OLDFIELD.

DR. SHANN.

SECRETARIES :

THOMAS MEYNELL, JUN., F. L. S.

THOMAS HENRY TRAVIS.

CURATORS:

MINERALOGY	PROFESSOR PHILLIPS, F.R.S.
COMPARATIVE ANATOMY . .	THOMAS ALLIS.
FOREIGN ORNITHOLOGY. . .	THOMAS MEYNELL, F.L.S.
BRITISH ORNITHOLOGY . . .	W. RUDSTON READ, F.L.S.
INSECTA AND CRUSTACEA . .	REV. WM. HEY.
ANTIQUARIAN DEPARTMENT .	REV. CHARLES WELLBELOVED.
LIBRARY AND MANUSCRIPTS .	REV. J. KENRICK.
	THE REV. W. V. HARCOURT, F.R.S.
OBSERVATORY & METEOROLOGY	PROFESSOR PHILLIPS, F.R.S.
<i>under the care of a Committee</i>	WM. GRAY, F.G.S.
<i>consisting of</i>	WM. L. NEWMAN, F.R.Ast.S.
	JOHN FORD.
	REV. WM. HEY.

KEEPER OF THE MUSEUM:

EDWARD CHARLESWORTH, F. G. S.

SUB-CURATOR OF THE MUSEUM & GARDENS:

HENRY BAINES.

REPORT OF THE COUNCIL
OF THE
YORKSHIRE PHILOSOPHICAL SOCIETY,
FEB. 1851.

THE period has now arrived, when, in the annual course of events, it becomes the duty of the Council to report, to this Meeting, the proceedings of the Yorkshire Philosophical Society during the year 1850.

The Council are glad to state that, upon a review of the past year, the Society is still advancing in its career of usefulness, and that while there will be occasion to notice the attainment of much that was desirable in several departments of the Institution, some important improvements in the grounds have been completed, and the Council have the satisfaction of leaving the finances of the Society in a better state than at the commencement of the past year. It is gratifying to the Council to be able to report additions to the Collections of Natural History and Antiquities by the process of donation, to which the Society has been accustomed for more than a quarter of century to look, with well grounded confidence, as the principal means of improving its Museum. Of these additions several deserve especial notice. From Thos. S. Rudd, Esq., of Redcar, has been received the whole of the British Insects, with the exception of the Lepidoptera, which were collected by his brother, the late Rev. G. T. Rudd, M. A., well known as one of the leading British Entomologists. This extensive collection consists chiefly of Coleoptera, Hymenoptera, and Diptera, of which three orders it contains several thousand specimens.

Many of these are of extremely rare occurrence ; some are unique ; and several specimens are the originals of the figures in Mr. Curtis's splendid work on British Insects.

The naming and arrangement of this extremely valuable collection in the Entomological Cabinet is now in progress, under the able superintendence of Mr. Meynell, a continuation of labours of a similar kind for which the Society is indebted to the same zealous member.

The Society has through the intervention of the Naturalist Club received two masses of Calcareous grit from Newton Dale, exhibiting impressions of Star-fish, and constituting a very desirable addition to the fine series of Asteriadaë, from the Yorkshire Oolite already in the Museum.

To Mrs. Watson, of Thorpe, near Pocklington, the Society is indebted for the Tibia of an Elephant, found at Harswell, on the estate of Sir Chas. Slingsby, in digging for marle. This specimen is quite perfect, and in the highest state of preservation. Though scarcely at all mineralised, it weighs 20 pounds, and measures round its upper extremity 23 inches.

The Collections of Tertiary Fossils and recent British Shells have been enriched by further contributions from the British Natural-History Society.

The series of shells obtained from the Hampshire Tertiary beds (now exhibited in the Museum) includes 320 species, about 150 of which are new or unfigured as British Fossils. Of the generic types, among which these 150 species are distributed, upwards of 20 are not yet recorded in systematic works as known in British Eocene Strata. With a view of making some of the minute shells in this collection instructive to general visitors, a series of magnified figures, of the whole of the small species, is in the course of preparation by Mr. Smith (late a pupil at the School of Design in York), under the direction of the Keeper of the Museum, and a plan, of mounting the figures and specimens together, has been adopted, which effectually protects *both* from dust or other accidents, and at the same time allows the latter to be closely examined. A series of these species so mounted is displayed in the Museum.

Very choice examples of *Modiola nigra* from the Firth of Forth, *Bulla acuminata* and *Crania Norwegica*, from Loch Fyne, *Pleurotoma Boothii*, and *Trochus millegranus* from Lamlash, have been added to the Cabinet of Shells. In the last named locality, the Keeper of the Museum, by dredging, obtained Lima hians, in its nest, and the series of specimens, now displayed in the Museum, constitutes, it is believed, by far the most complete illustration of this feature in the economy of the Lima, that has ever been obtained. The Limas, thus dredged in their nests in Lamlash Bay, were of all sizes, from the very young up to the adult, and it will be observed, that the cavity of the nest presents no aperture corresponding to the Siphonal aperture in the nest sometimes made by *Gastrochæna*, the capacity of the interior being generally eight or ten times that of the contained animal and shell. One of the very scarce forms of *Buccinum*, referable to *Buccinum acuminatum* of Broderip, obtained at Redcar, by Mr. D. Ferguson, from a Staithes fishing-boat in the course of last summer, was subsequently presented to the Museum by the British Natural-History Society.

Through Mr. Edward Wood, of Richmond, the Society has received a Slab of Micaceous Sandstone from the Mountain Limestone series, having upon its surface in relief a Sea Worm allied to *Nereis*.

The Council are glad to state that Professor King in his valuable work on the Fossils of the Permian system, published by the Palæontographic Society, has derived assistance from an examination of the specimens of Fish in Magnesian Limestone in the Society's Museum, from which several of the plates in his work have been figured.

The Council have the pleasure of noticing the completion of the arrangement and fitting up of the Rudstone Collection of British Birds, which is found, as was anticipated, as valuable to the student as attractive to the general visitor.

Of the Donations to the Antiquarian department of the Museum during the past year, which have been very few, there are none which require any particular notice.

In their last report the Council stated, that the first part of

a descriptive Account of the Antiquities in the Grounds and Museum of the Society, (which, with the sanction of the Council, their valued Curator of Antiquities had undertaken to prepare,) had been sent to press ; and a hope was expressed, that the other parts would speedily follow, and the whole be completed in the course of the Spring. In the midst of his endeavours to realize this hope, the Council regret to state, that their Curator was attacked by very serious illness, from which he has even now only partially recovered. Having, however, been lately encouraged by the offer of assistance from friends, the Curator has resumed his labours, and the Council trust that he may have it in his power to finish the valuable work he has begun.

Since the last Report the Hot-houses and Gardens have received some interesting additions from Dr. Lindley, John Wood, Esq., and others. Amongst these is deserving of especial notice, the *Victoria Regia* received through Mr. Paxton from the Duke of Devonshire, along with other valuable plants. For the reception of this very interesting present a suitable building was erected in September last, without expense to the Society,* and the Council are glad to state that subsequent experience has proved its complete adaptation to the object in view. The *Victoria Regia* has flowered several times during the Autumn, and has been an object of admiration to numerous visitors. There are few places in Great Britain, besides the Gardens of the Yorkshire Philosophical Society, where public curiosity can be gratified with a sight of this wonder of the vegetable kingdom.

* The Subscription for the Victoria House has as yet proved inadequate to meet the total expense incurred.

The following is the—
METEOROLOGICAL REGISTER FOR 1850—YORK.

	Highest.	Lowest.	Mean.	Inches Rain.	Days of more or less rain.	Average Max.	Average Min.	Mean Temp.	Highest Temp.	Lowest Temp.	Nights, at or below 32°	Prevailing Wind.
I	30.50	29.22	29.980	1.58	14	36.0	27.1	31.6	47	20	27	Easterly.
II	30.39	28.65	29.797	.51	6	46.1	37.0	41.5	53	29	6	South.
III	30.62	29.54	30.127	.50	7	46.3	32.0	39.2	60	20	15	North.
IV	30.51	28.85	29.687	2.07	16	51.3	39.7	45.5	58	32	2	N. East.
V	30.32	29.43	29.817	.72	16	57.9	41.2	49.6	71	31	4	Northerly.
VI	30.49	29.40	29.974	1.71	10	67.5	49.9	58.7	77	42	0	S. West.
VII	30.25	29.63	29.930	3.09	14	66.6	52.1	59.4	78	40	0	West.
VIII	30.31	29.59	29.844	2.22	16	65.3	49.6	57.5	74	38	0	S. West.
IX	30.58	29.32	30.059	1.06	8	59.8	46.4	53.1	69	35	0	N.E. & S.E.
X	30.45	29.08	29.777	1.71	18	52.4	39.7	46.0	59	29	5	North.
XI	30.40	28.58	29.739	1.94	13	50.4	38.5	44.5	58	17	9	S. West.
XII	30.58	28.99	29.929	.78	11	42.7	32.3	37.5	53	22	15	Westerly.
			29.888	17.89	149			47.00			83	

DIRECTION OF THE WIND.

N.	S.	E.	W.	N.E.	N.W.	S.E.	S.W.
44	55	19	46	49	36	38	78

The year 1850 has been remarkable for the very small amount of rain fallen ; the quantity being only 17.89 inches, about two thirds of a mean, and less than has been registered during the last twenty years. The year 1834 was nearly as dry, the amount being then 18.49 inches. The amount reported from Doncaster corresponds with that from York, being 17.16, the annual mean of both places being nearly the same. At Settle also, the quantity has been small, being 37.69 inches ; the annual mean of that locality is about 43 inches. The temperature has been very nearly a mean 47° ; the mean of 20 years was 47.6. The mercurial column is very nearly the usual mean for York, 29.88 inches being the average for the year 1850. On the 19th

of November it fell to the unusually low point of 28·581, accompanied with a fall of nearly three quarters of an inch of rain.* A thunder storm of unusual violence burst over the city on Thursday, the 8th of August, between 6 and 8 P. M. The Diocesan School, and the Roman Catholic Chapel in Walmgate, were struck by the electric fluid. The diminution of the usual amount of rain was equally distributed over the first and the last six months of the year, the defect in the first six being 3·65 inches, and in the last six 3·13 inches. Of the two months in the year in which the drought would have been most apparent, one, July, had an excess of ·38 of an inch, and the other, August, a defect of ·38 of an inch.

The Library has received valuable donations from various learned Societies and private individuals, and some original works have been presented by their Authors: among which the Council notice with pleasure the donation from M. Boucher de Perthes, of Abbeville, of a Work on Geology and Antiquities, in 4 vols. and a vol. of the *Memoires de la Societè d' Emulation of Abbeville*.

The reading of papers at the Monthly Meetings of the Society was interrupted by accidental causes, during the spring of last year, but was resumed in the autumn, and the Council trust that this source of much valuable information to the Members of the Society will be continued.

Several parties have been admitted as Associates of the Society during the year 1850, under the Rule passed at the last Annual Meeting, and the Council trust that the increased facilities of enjoying the advantages afforded by the Society have proved beneficial.

The Swimming Baths have this year failed to be a source of profit, because, owing to circumstances connected with the establishment of the New Water Company, the usual supply of water was suspended during a great part of the bathing season. To explain this occurrence it is necessary to notice arrangements entered into long ago, and more particularly an Agreement

* On the 12th of March the mercury rose to 30·626 inches, so that the range of the year was 2·04 inches.

entered into on the 30th of June, 1837, between the gentlemen composing the then Committee of Management of the York Water-works Company for themselves, their executors, administrators, and assigns, of the one part, and the then Trustees of the Company for establishing and maintaining Swimming Baths in the City of York, for themselves, their executors, administrators, and assigns, of the other part, by which, after stating that the Water-works Company had agreed with the said Trustees to supply the Baths with water for the term of 97 years, upon the terms and subject to the stipulations therein mentioned, the Swimming Bath Company agreed to be at the expense of laying down pipes for conveying water from the Works of the Water Company (which were then carried on close to Lendal Ferry), and also that they would construct a brick tunnel drain, commencing from the main Marygate drain, and extending along the Manor Shore and terminating in a public sewer, emptying itself into the River Ouse near Lendal Ferry, and that, at all times during the term of 97 years the contents of the Marygate drain and all the waste water, washings, and other liquids or other offensive matter from the Baths and buildings connected therewith should be conveyed into the drain, *so that no part thereof should flow into the River Ouse either from the Street of Marygate or from the Manor Shore.* And further that the Swimming Company should during the term of 97 years pay to the Water-works Company the rent of £5 for the water to be supplied to the Baths, as in the agreement afterwards mentioned. And in consideration of the premises the Committee of Management of the Water-works Company agreed with the Trustees of the Swimming Bath Company that the Water-works Company would supply the Baths with cold water during the ordinary times of working their Engine from the 15th day of July, 1838, during the term of 97 years then next ensuing, on payment by the Swimming Company and their assigns of the annual rent of £5, and that the Water-works Company would pay to the Trustees of the Swimming Bath Company the sum of £50 towards the expense of making the said brick tunnel or drain, when the same should be completed to the satisfaction of the Water-works Company.

Under this Agreement the Baths were regularly supplied with water up to the commencement of the past year. In the spring of 1845, the Yorkshire Philosophical Society purchased the rights of the Swimming Bath Company in the Baths and under their Agreement, and at some period between that time and December 1848, the Old Waterworks Company ceased to exist, having transferred their interests to the New Water Company, and after such transfer the rent of £5 was duly paid pursuant to the stipulations of the Agreement to the New Water Company, and received by them without any objection being raised from the 31st day of December 1848, to the 31st day of March 1850. In the spring of last year, however, the New Company (having transferred their works from Lendal Ferry to a distance from York), and being applied to by the Secretaries to affix the necessary communications from their new main pipes to the Baths, gave the Society notice, that they did not consider themselves bound by the Agreement of 1837, and that any supply of Water to the Baths must be under a new Agreement.

This led to a Meeting between a Committee appointed by the Council, and the Directors of the Water Company, at which the latter repudiated altogether the recited Agreement of 1837, but (subject to the future settlement of the rights of the parties) they offered to supply the *Baths* (only) for £30 per annum, leaving the charge for the Fountains, Mr. Baines's House, the Lodge, and the other requirements of the gardens (which had always been up to that time supplied at a fixed rate of £6. 8s. per annum for the whole) altogether uncertain.

To these terms, temporary only and highly disadvantageous as they were, the Council could not agree, and without relinquishing what they conceived to be the rights of the Society under the Agreement of 1837, it became a matter of necessity, that immediate steps should be taken, to procure the permanent supply of the requisite quantity of water. With this view estimates were obtained, from which it appeared that the Society could supply itself with the whole of the water required, at a cost including interest of Capital expended and other payments of from £20 to £25 per annum, and the Council au-

thorized the purchase of a Steam Engine and Machinery and the erection and formation of buildings and works adapted to the objects in view.

Under these circumstances the necessary works were prosecuted with as little loss of time as possible, and had not a delay occurred on the part of those employed to provide the Engine, the Society might have been enabled to supply the water required during a considerable portion of the Bathing Season, and for other purposes. This, however, under the circumstances, was found to be impracticable, and previous to the erection of the machinery and the completion of the works, the Council were induced to allow the negotiations with the Water Company to be re-opened, and it was found that they were *then* willing to supply all the water required for the Baths, Fountains, Mr. Baines's House, the Lodge, and the various requirements of the Gardens, for an annual sum of £25. After much deliberation the Council authorized the acceptance of this offer (without prejudice to the existing rights of the Society under the Agreement of 1837,) having already secured for the Society the means, at any future time, of readily supplying the water required for the Baths, &c., independently of the Water Company, should any circumstances or considerations render such a step expedient.

The Engine is still in the maker's hands, and it has been ascertained that the Society would sustain little or no loss should a sale of it be considered desirable.

The total expenditure of every other kind in relation to the Baths exceeds the income derived from the same source during the year 1850 by £75 14s. 6d., and forms one of the only two items of extraordinary expenditure of the current year.

The other item of extraordinary expenditure, £71 9s. 10d., has been incurred in connection with the new entrance to the Gardens from Marygate, and the Society will, no doubt, justly appreciate the very great improvement effected in that part of their grounds. By thus restoring to the Museum Grounds the ancient boundary of the Abbey Close, we offer to convenient inspection structures, which rank among the earliest of our Monastic remains, and guard from further injury and decay all that is left of that gateway, which was the principal entrance to the

Monastery in times anterior to the erection of the beautiful Church, the ruins of which are now the chief ornament of our gardens.

The Admissions at the Gates have yielded the sum of £212 7s. 10d. during 1850, exceeding the receipts of the previous year by £22 16s. 8d., being a greater sum than has ever been derived from the same source in any previous year; and it is of importance to know that the ordinary income of the Society, during 1850, has more than equalled its expenditure of every kind, ordinary as well as extraordinary, by the sum of £54 10s. 5d., notwithstanding that, owing to unexpected circumstances already noticed, one source of revenue has been less productive than usual.

Such is the history the Council are enabled to lay before this meeting, not without hope of its affording many grounds of congratulation.

To the increased attractions of the gardens, to the acquisition of many valued additions to the collections, and to the number of admissions at the Gate during the year 1850, (evincing as the Council trust a gradually increasing appreciation of the peculiar objects to which this and similar Institutions are devoted,) the Council point with pleasure; while in the improved financial position of the Society, a prospect is opened of extending its efforts towards the promotion of antiquarian pursuits, and of adding to the facilities of acquiring information already afforded to the student and lover of Natural History, by the varied objects of interest and admiration displayed in the Museum.

TREASURER OF THE YORKSHIRE PHILOSOPHICAL SOCIETY
IN ACCOUNT FOR THE YEAR 1850.

Cr.	INCOME.			EXPENDITURE.			Dr.
1850.	£.	s.	d.	1850.	£.	s.	d.
Annual Subscriptions and Arrears	506	1	0	Rent to the Crown	1	0	1
Admission of 22 New Members	110	0	0	Rent to the Corporation	53	8	0
Associates	13	0	0	Rates and Taxes	9	11	4
Composition of two Members in lieu of Annual Subscriptions ..	40	0	0	Insurance & Water Rates	12	15	0
Ladies' Subscriptions.....	47	0	0				76 14 5
Rents	111	1	6	Salaries and Wages:			
Keys of the Gates	33	0	0	Keeper of the Museum	150	0	0
Money received at the Gate.....	212	7	10	Sub-Curator	100	0	0
Use of the Tent	7	0	0	Servants	20	0	0
				Lodgekeeper.....	20	0	0
				Labourers	151	6	0
				Clerk and Collector....	25	0	0
				Attendant in Hospitium	6	0	0
							472 6 0
				Interest on Debt:			
				Yorkshire Insurance			
				Company	48	10	10
				To Bankers	52	3	0
							100 13 10
				Museum, Gardens, &c.:			
				Painting and General			
				Repairs	55	11	4
				Purchase and prepara-			
				tion of Specimens ..	52	12	11
							108 4 3
				Library, Books and Binding			10 2 0
				Incidental Expenses:			
				Printing, Advertising,			
				and Stationery	33	16	0
				Coals and Gas	45	5	8
				Postages, Carriage, and			
				Sundries	30	13	5
							109 15 1
				Total Ordinary Expenditure			877 15 7
				Extraordinary Expenses:			
				Alteration at the Mary-			
				gate Extrace.....	71	9	10
				Balance against the So-			
				cietiy on Swimming			
				Bath Account	75	14	6
							147 4 4
				Total Expenditure			1024 19 11
				Permanent Debt, viz.:			
				Yorkshire Insurance			
				Company	1000	0	0
				Six Members at £50			
				each	300	0	0
							1300 0 0
				Balance overdrawn Messrs.			
				Swann, Clough, & Co.,			
				December 31st, 1850 ..	1206	12	0
				Total Debt of the Society Dec. 31st,			
				1850	2506	12	0
							£3586 2 4

Jan. 14, 1851, Audited by us,

JOHN KENRICK,
JOHN PHILLIPS.

THOMAS MEYNELL, Treasurer.

MEMBERS

ELECTED SINCE FEB. 1850.

1850.

Robert Atkinson, *York*.
 Robert Brown, *York*.
 Charles Edwd. Harris, *Fulford, York*.
 Thomas Lambert, *York*.
 William Smith, *York*.
 Eliza Stringer, *York*.
 Henry John Ware, *York*.
 John Wolstenholme, *York*.

1851.

G. L. Cressey, *York*.
 Henry Anderson, *York*.
 Thomas Forrest, *York*.
 Joseph Hunt, *York*.
 Thomas Hodgson, *York*.
 George Hornby, *York*.
 Joseph Terry, *York*.
 Thomas Watkinson, *York*.
 John Wilson, *Castlegate, York*.
 Thomas Craven, *York*.
 Richard Walker, *York*.

RESOLUTIONS

PASSED AT THE ANNUAL MEETING, FEB. 4TH, 1851.

1. That George Goldie, M. D., and Peter Murray, M. D., of Scarborough, be elected Honorary Members of the Society.

2. That the Report of the Council be adopted and printed for the use of the Members.

3. That the thanks of the Society be given to the Vice-Presidents and Members of the Council retiring from office, and to the Secretary and Curators for their valuable services.

4. That the Council be empowered to authorize the holding of one or more Horticultural Meetings in the Society's grounds during the present year.

5. That the Council be empowered on certain days to be selected by them during the present year, to permit free admission to all persons to the Museum and Gardens, the mode of admission to be regulated by the Council.

6. That the Council be empowered to admit Strangers during the present year, at the usual rates of payment.

7. That the Council be authorized to admit to the Museum and Gardens, as temporary subscribers, any occasional Visitors to York, not residing in the County, at the rate of one pound for four months for themselves and families, but that in no case shall such privilege be granted for a longer period than twelve months.

At a Meeting of the Council held Feb. 25th, 1851, the following Regulations respecting the reading and publication of Papers and the duties of Curators were adopted.

PUBLICATION OF PAPERS.

After the reading of any Paper at the Monthly Meetings the Author shall be requested to furnish an Abstract or Copy of the same to the Secretaries.

The Abstract or Copy so furnished shall be immediately copied into a *folio* Book, which book shall be placed in the Library, and be open to the Members, but shall not be taken out of the room, except for the use of the Council at their Meetings, at each of which it shall be laid before them.

The printing of Papers or Abstracts shall be limited to such Papers as relate to the Natural-History and Antiquities of Yorkshire, or the contents of the Yorkshire Museum.

The Council shall provide the means of determining what Papers come within this rule, and to what extent they shall be printed, and whether they shall be accompanied or not by plates.

The transactions shall not be offered for sale, and no more than 500 copies shall be printed ;—such copies being for the use of Members and for exchange with other Societies.

Authors shall be allowed 25 copies of their communications free of charge.

The publication shall be annual.

DUTIES OF CURATORS.

The Council being of opinion that the Society derived great benefit from the services of Curators of departments of the Museum through a long period of years, and that the interests of the Institution require that these officers should be maintained in activity and honour, not only as positively useful to the due care of the Collections, but as collaterally important in preserving and extending the favour of the Public—have adopted the following regulations :—

The Curators of departments shall be severally independent, responsible only to, and allowed free communication with the Council, by written reports or personal communication.

Each Curator shall be requested to attend at the Monthly Meetings of the Members (as was formerly done), to examine and report upon the objects belonging to his department, which may have been received since the preceding Meeting. In case of unavoidable absence from ill health or other cause, a Curator may request another Member to supply his place.

The Curators shall be requested to state to the Council, from time to time, whatever they may deem fit to mention or suggest in respect of the state of the Collections : as

Their state of completeness or deficiency ;

The manner in which they are exhibited ;

The state of nomenclature, &c.

For the purpose of making such statements, they shall be empowered to attend the Monthly Council Meetings, due notice of the times of holding these Meetings being communicated to them.

A reference may be made to them before the purchase of Books, Instruments, Natural or Artificial Curiosities, &c., for their opinion as to the suitableness of such purchases.

The Curators shall be provided with personal Keys of the Cases in their departments, and are encouraged to explain the objects under their care to strangers of eminence who may be accredited to them for the purpose.

- Rudd, Thos. S., Esq. Extensive Collection of British Insects,
(see page 1.)
-

ANTIQUITIES.

- Bayldon, J., Esq. Coin of Trajan, 2nd brass.
Coin of Gallienus, 3rd brass.
Nine modern Foreign Coins, chiefly
Spanish, silver; 1 Russian, copper;
2 Sixpences, Eliz. ; 1 Sixpence, Ja. i. ;
2 Fourpences, Cha. ii. ; 1 Fourpence,
Anne; 1 Fourpence, Geo. ii. ; 1 Two-
pence, Geo. iii. ; 1 Penny, Anne ;
1 Penny, Geo. i.
A Medal, in brass, struck on occasion of
the Victory of the King of Prussia,
1757.
Medal of Louis XV.
Kalendar for 1704, on a brass medal.
One of the Leaden Coins or Tokens
found on removing the old Bridge at
Layerthorpe Postern.
- Bonomi, Jos., Esq. Cast of the Obelisk of Carnak.
- Bulmer, Jas., Esq. Coin of Hadrian, 1st brass.
- Wilkinson, Miss Impression of an Ecclesiastical Seal
found at Cawood, inscribed SIGIL-
LVM·INDVLGENTIARVM·DIS-
PENSATIONVM
-

MISCELLANEOUS.

- British Natural-History } Glass Case for the display of the more
Society } fragile specimens in the collection of
Hampshire Tertiary Fossils.
- The Lord Mayor Specimen of Telegraphic Wire used for
Marine purposes.
- Matterson, Wm., Esq. Indian Club and Mat.

GARDEN.

Devonshire, his Grace the Duke of	} Victoria Regia, from the Conservatory at Chatsworth.
Harrison, Miss, (<i>Bootham</i>)	
Lindley, Dr.	120 Papers of Seeds from the Calcutta Botanical Gardens.
Oldfield, Joshua, Esq.	A collection of Seeds and Plants from the Chiswick Gardens.
Wood, John, Esq.	Two Loads of Garden Manure.
	Various Seeds.

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Society, Royal Astronomical, of London	
	Greenwich Astronomical Observations, 1847.
	Greenwich Magnetical and Meteorological Observations, 1847.
	Cancels for the Introduction to the Reductions of the Greenwich Lunar Observations.
	Appendix to Greenwich Observations, 1847. Twelve-year Catalogue.
	Astronomical and Magnetical Observations, made at the Royal Observatory, Greenwich, in the year 1848, under the direction of G. Biddle Airy, Esq., M. A.
Society, Geological, of London	Quarterly Journal for 1850.
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	Proceedings of the Society, vol. 2, Nos. 35, 36, 37, 38, and 39.

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| Society Royal, of Edinburgh | General Results of the Observations in Magnetism and Meteorology, made at Makerstoun, in Scotland, for 1845 and 6. |
| Society, Chemical, of London | Journal for 1850. |
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Proceedings 1848 and 9. |
| Société d'emulation D'Abbeville | } Memoirs of, for 1844, 5, 6, 7, and 8. |
| Boucher de Perthes, M. ...
(<i>The Author.</i>) | |
| | } Antiquites Celtiques et Antédiluviennes. Memoire sur l'industrie primitive et les arts a leur origine.
De la Creation. Essai sur L'Origine et la progression Des Etres, 4 vols. 8vo. |
| Gray, William, Esq. | History of the extinct Volcanoes of the basin of Neuwied on the lower Rhine. By Samuel Hibbert. |
| Hogg, John, Esq., M. A.,
F.R.S., &c.
(<i>The Author.</i>) | } Remarks on Mount Serbal being the true Mount Sinai; on the Wilderness of Sin; on the Manna of the Israelites, and on the Sinaic Inscriptions. |
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| Smith, Chas. Roach, Esq.,
F.S.A. (<i>The Author.</i>) | } Collectanea Antiqua, part 3, vol. 2. |
| Stillingfleet, E. W., Esq.,
<i>Hotham</i> | |
| | } Description of a Roman Building and other remains lately discovered at Caerleon.—By John Edw. Lee. |
| Wood, John, Esq. | The Journal of the Horticultural Society of London, 1850, vol. 5. |
| Wild, John James, Esq.,
(<i>The Author.</i>) | } A Letter to the Right Honourable Lord Brougham and Vaux, containing Proposals for a Scientific Exploration of Egypt and Ethiopia. |
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| Yates, James, Esq., F.R.S. &c.
(<i>The Author.</i>) | } A Paper on the use of Celts in Military Operations. |

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Doubleday and Hewitson's Genera of Diurnal Lepidoptera, fol., col. plates, (42 parts published).

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Waterhouse's *Natural History of Mammalia*, 8vo., col. plates, (2 vols. published).

Churton's *Monastic Ruins of Yorkshire*, fol. (6 parts published).

Fauna Antiqua Sivalensis, or *Geology of the Sewalik Hills in the North of India*, by Dr. Falconer and Major Cautley. (Part 1 to 9 of Illustrations, large folio, and part 1 of Letterpress, 8vo.)

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